11. (amended) [The said antenna] An antenna as in claim 9
wherein the square pyramidal conductor is enclosed on four
sides by four identical log-periodic antenna arms.

- 12. (amended) [Combination as in manner of previous claims of said four antenna arms with said pyramidal conducting shield in the interior wherein] An antenna as in claim 9 having a configuration such that the entire structure behaves as a log-periodic antenna.
 - 13. (amended) An antenna as in claim 9 further comprising [The said combination wherein] a short wire [is] attached to the narrow end of each of said antenna arms, at an endpoint of the [said] antenna arm centerline, and threaded into [the] said square pyramidal conductor through said truncated tip of [the] said square pyramidal conductor. --.

REMARKS

Applicant submits herewith a Substitute

Specification for the above case pursuant to 37 C.F.R

\$ 1.125 as required by a Notice to File Missing Parts of

Nonprovisional Application dated November 13, 2001 (a copy

of which is also enclosed). Included are both an unmarked

version and a marked-up version in which additions are

underlined and deletions are enclosed in brackets.

Applicant states that the Substitute Specification contains

no new matter except for the claim of priority in

paragraph 1 and the statement regarding federal research

support in paragraph 2. Also, submitted is an Abstract on a

separate sheet and a substitute set of drawings which

correct the margins as required by the Notice to File Missing Parts.

If, however, the Examiner believes that there are any unresolved issues requiring adverse final action in any of the claims now pending in the application, the Examiner should telephone Mr. George Wolken, Jr., Esq. at (408) 567-0340 so that appropriate arrangements can be made for resolving such issues as expeditiously as possible.

Respectfully submitted,

February \mathcal{S} , 2002

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(UCB1PRELAMEND/ca:1)